

In the claims:

Claims 1-5 cancelled.

6. (New) A piston machine, comprising a crankshaft; a cylinder fixed on said crankshaft; a piston provided with a piston rod and located in said cylinder; a cover arranged on said cylinder; suction and pumping valves; two parallel crankshafts located symmetrically relative to an axis of said cylinder and connected with one another rotatably in opposite directions; a traverse connected with said piston rod of said piston; two connecting rods each connected with one end hingedly and to a corresponding one of said crankshaft and with one another end hingedly to a corresponding end of said traverse, said piston rod of said piston being connected with said traverse hingedly, said piston being configured with an inner hollow, said piston rod being configured with a throughgoing longitudinal axial passage connected with said inner hollow of said piston; a suction pipe connected in said crank case coaxially to said piston rod which extends into said suction pipe for performing a reciprocating movement, said traverse being connected with said piston rod above an entry to said suction pipe, said suction valves being arranged on a front wall of said piston, and said pumping valves being arranged on said cover.

7. (new) A piston machine as defined in claim 6, wherein said throughgoing longitudinal axial passage of said piston is provided with a diffuser from a side of connection with said inner hollow of said piston and with a confusor from a side of entry to said suction pipe.

8. (new) A piston machine as defined in claim 6, wherein said pumping valves are arranged on said cover so as to be located flush with a surface of said cover from a side of said piston in a closed position.

9. (new) A piston machine as defined in claim 6, wherein said suction valves are arranged on said cover so as to be located flush with a surface of said cover from a side of said piston in a closed position.

10. (new) A piston machine as defined in claim 6, wherein said suction valves are located flush with a surface of said front wall of said piston in a closed position.

Please provide the following new abstract of the disclosure:

A piston machine has a crankshaft, a cylinder fixed on the crankshaft, a piston provided with a piston rod and located in the cylinder, a cover arranged on the cylinder, suction and pumping valves, two parallel crankshafts located symmetrically relative to an axis of the cylinder and connected with one another rotatably in opposite directions, a traverse connected with the piston rod of the piston, two connecting rods each connected with one end hingedly and to a corresponding one of the crankshaft and with one another end hingedly to a corresponding end of the traverse, the piston rod of the piston being connected with the traverse hingedly, the piston being configured with an inner hollow, the piston rod being configured with a throughgoing longitudinal axial passage connected with the inner hollow of the piston, a suction pipe connected in the crank case coaxially to the piston rod which extends into the suction pipe for performing a reciprocating movement, the traverse being connected with the piston rod above an entry to the suction pipe, the suction valves being arranged on a front wall of the piston, and the pumping valves being arranged on the cover.